HD Vandal Proof IP Dome Camera User’s Manual

Version 3.5.0

Welcome

Thank you for purchasing our IP camera!
This user's manual is designed to be a reference tool for your system.
Please read the following safeguard and warnings carefully before you use this series product!
Please keep this user's manual well for future reference!

Important Safeguards and Warnings

1．Electrical safety

All installation and operation here should conform to your local electrical safety codes.
The power shall conform to the requirement in the SELV (Safety Extra Low Voltage) and the Limited power source is rated 12V DC or 24V AC in the IEC60950-1.
We assume no liability or responsibility for all the fires or electrical shock caused by improper handling or installation.
We are not liable for any problems caused by unauthorized modification or attempted repair.

2．Transportation security

Heavy stress, violent vibration or water splash are not allowed during transportation, storage and installation.

3．Installation

Do not apply power to the camera before completing installation.
Please install the proper power cut-off device during the installation connection.
Always follow the instruction guide the manufacturer recommended.

4．Qualified engineers needed

All the examination and repair work should be done by the qualified service engineers.
We are not liable for any problems caused by unauthorized modifications or attempted repair.

5．Environment

This series IP camera should be installed in a cool, dry place away from direct sunlight, inflammable, explosive substances and etc.
Please keep it away from the electromagnetic radiation object and environment.
Please make sure the CCD (CMOS) component is out of the radiation of the laser beam device. Otherwise it may result in CCD (CMOS) optical component damage.
Please keep the sound ventilation.
Do not allow the water and other liquid falling into the camera.
Thunder-proof device is recommended to be adopted to better prevent thunder.
The grounding holes of the product are recommended to be grounded to further enhance the reliability of the camera.

6. Daily Maintenance

Please shut down the device and then unplug the power cable before you begin daily maintenance work.
Do not touch the CCD (CMOS) optic component. You can use the blower to clean the dust on the lens surface.

Always use the dry soft cloth to clean the device. If there is too much dust, please use the water to dilute the mild detergent first and then use it to clean the device. Finally use the dry cloth to clean the device.
Please put the dustproof cap to protect the CCD (CMOS) component when you do not use the camera.

7. Accessories

Be sure to use all the accessories recommended by manufacturer.
Before installation, please open the package and check all the components are included.
Contact your local retailer ASAP if something is broken in your package.

Accessory Name	Amount
IPC Unit	1
Accessories bag	1
Quick Start Guide	1
CD	1

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1 General Introduction

1.1 Overview

This series IP camera integrates the traditional camera and network video technology. It adopts audio and video data collection, transmission together. It can connect to the network directly without any auxiliary device.

This series IPC uses standard H.264 video compression technology and G.711a audio compression technology, which maximally guarantee the audio and video quality.

This series IPC enclosure has the strong resistance capacity, which can guarantee the proper work performance under heavy strike. It supports real-time monitor and listening at the same time. It supports analog video output and dual-way bidirectional talk.

It can be used alone or used in a network area. When it is used lonely, you can connect it to the network and then use a network client-end. Due to its multiple functions and various uses, this series IPC is widely used in many environments such office, bank, road monitor and etc.

1.2 Features

User Management	● Different user rights for each group, one user belongs to one group. ● The user right shall not exceed the group right.
Storage Function	● Support central server backup function in accordance with your configuration and setup in alarm or schedule setting ● Support record via Web and the recorded file are storage in the client-end PC. ● Support built-in SD card. ● Support local SD card hot swap, support short-time storage when encounter disconnection.
Alarm Function	● Real-time respond to external local alarm input and video detect as user pre-defined activation setup and exert corresponding message in screen and audio prompt(allow user to pre-record audio file) ● Real-time video detect: motion detect, camera masking. ● Can generate an alarm when network abnormal, SD card abnormal event occurred.
Network Monitor	● IPC supports one-channel audio/video data transmit to network terminal and then decode. Delay is within 270ms (network bandwidth support needed) ● Max supports 20 connections. ● Adopt the following audio and video transmission protocol: HTTP, TCP, UDP, MULTICAST, RTP/RTCP, RTSP and etc. ● Support web access, widely used in WAN.
Network Management	● Realize IPC configuration and management via Ethernet. ● Support device management via web or client-end. ● Support various network protocols.
Peripheral Equipment	● Support the on-off alarm device to alarm via the sound or the light.
Power	● External power adapter DC12V/AC 24V ● Support PoE.
Assistant Function	● Log function ● Support PAL/NTSC ● Support system resource information and running status real-time display.

	● Day/Night mode auto switch (ICR switch). ● Built-in IR light. Support IR night vision (**For HDBW Series only**). ● Backlight compensation: screen auto split to realize backlight compensation to adjust the bright. ● Support electronic shutter and gain setup. ● Support video watermark function to avoid vicious video modification.

1.3 Specifications

1.3.1 Performance

Please refer to the following sheet for IPC performance specification.

Model Parameter		IPC-HDB/HDBW3300 Series	IPC-HDB/HDBW3110 Series
System	**Main Processor**	TI Davinci high performance DSP	
	OS	Embedded LINUX	
	System Resources	Support real-time network, local record, and remote operation at the same time.	
	User Interface	Remote operation interface such as WEB, DSS, PSS	
	System Status	SD card status, bit stream statistics, log, and software version.	
Video Parameter	**Image Sensor**	1/2.8-inch CMOS	1/3-inch CCD
	Pixel	2048（H）*1536（V）	1280(H)*960(V)
	Day/Night Mode	Support day/night mode switch and IR-CUT at the same time.	
	Auto Iris	DC drive	
	Gain Control	Fixed/Auto	
	White Balance	Manual/Auto	
	BLC	Manual/Auto	
	Electronic Shutter	Manual/Auto PAL: It ranges from 1/3 to 1/10000. NTSC: It ranges from 1/4 to 1/10000.	Manual/Auto PAL: It ranges from 1/3 to 1/100000. NTSC: It ranges from 1/4 to 1/100000.
	Video Compression Standard	H.264/H.264B/MJPEG	
	Video Frame Rate	PAL: Main stream（2048*1536@15fps） extra stream,（704*576@15fps） Main stream（1920*1080@25fps） extra stream（704*576@25fps） NTSC: Main stream（2048*1536@15fps） extra stream（704×480@15fps） Main stream（1920*1080@30fps） extra stream（704×480@30fps）	PAL: Main stream （1280*960@12.5fps） extra stream, （704*576@12.5fps） Main stream（1280*720@25fps） extra stream（704*576@25fps） NTSC: Main stream（2048*1536@22fps） extra stream（704×480@22fps） Main stream（1920*1080@30fps） extra stream（704×480@30fps）
	Video Bit Rate	H.264: 56Kbps-8192Kbps. MJPEG is adjustable and bit rate is adjustable. Support customized setup.	
	Video Flip	Support mirror. Support flip function.	
	Snapshot	Max 1f/s snapshot. File extension name is JPEG.	

	Privacy Mask	Supports max 4 privacy mask zones	
	Video Setup	Support parameter setup such as bright, contrast.	
	Video Information	Channel title, time title, motion detect, privacy mask.	
	Lens	4.5~10mm@F1.4	2.8~12mm@F1.4
	Lens Interface	CS. Lens is the default accessories	
Audio	**Audio Input**	1-channel，RCA audio input.	
	Audio Output	1-channel, RCA, audio output.	
	Bidirectional Talk Input	Reuse the first audio input channel	
	Audio Bit Rate	16kbps 16bit	
	Audio Compression Standard	G.711A/G.711Mu/PCM	
Video	**Motion Detect**	396 (18*22) detection zones；sensitivity level ranges from 1 to 6 (The 6th level has the highest sensitivity) Activation event, alarm device, audio/video storage, image snapshot, log, email function and etc.	
	Video Loss	Activation event, alarm device, audio/video storage, image snapshot, log, email function and etc.	
Alarm Input		2-channel input，1-channel output	
Record and Backup	**Record Priority**	Manual>External alarm >Video detect>Schedule	
	Local Storage	Support Micro SD card storage	
Network	**Wire Network**	1-channel wire Ethernet port, 10/100 Base-T Ethernet	
	Network Protocol	Standard HTTP, TCP/IP, IPv4/IPv6, ARP, IGMP, ICMP, RTSP, RTP, UDP, SMTP, FTP, DHCP, DNS, DDNS, PPPOE, UPNP, NTP, Bonjour, SNMP, NFS.	
	Remote Operation	Monitor, system setup, file download, log information, maintenance , upgrade and etc	
AUX Interface	**Video Output**	1-channel analog video output，BNC port, 9-pin port connection	
	Reset	6-pin port connection	
	IR light	35 LED, IR distance 10 to 20 meters (For HDBW series product only)	
General Parameter	**Power**	Support AC24V/DC12V power. PoE	
	Power Consumption	General series: below 7W. IR series: below 13W.	General series: below 14W. IR series: below 16W.
	Working Temperature	-10℃~+60℃	
	Working Humidify	10%~90%	
	Dimensions(mm)	¢160x118.5	
	Weight	1.25g	
	Installation	Support various installation modes（Enclosure and bracket is optional）	

1.3.2 Factory Default Setup

Please refer to the following sheet for factory default setup information.

Function Setup Type		Item			Default setup	
					IPC-HDB/HDBW3300 Series	IPC-HDB/HDBW3110 Series
Camera Setup	Conditions	Brightness			50	
		Contrast			50	
		Hue			50	
		Saturation			50	
		Exposure mode			Auto	
		Gain Scope			0~80	
		Auto Iris			ON	
		Profile			Auto	
		Day&Night			Auto	
		Backlight			Off	
		Mirror			Off	
		Flip			No flip	Flip 180°
	Video	Video bit stream	Main stream	Bit stream type	General	
				Encode mode	H.264B	
				Resolution	1080P（1920*1080）	720P(1280*720)
				Frame rate （FPS）	PAL: 25 NTSC:30	
				Bit stream type	CBR	
				Reference bit rate	3584-8192 Kb/S	1536-8192Kb/S
				Bit rate	8192	
				I frame interval	50	
				Watermark settings	Enable	
				Watermark character	DigitalCCTV	
			Extra stream	Enable	Enable	
				Bit stream type	General	
				Encode mode	H.264B	
				Resolution	CIF(352×288/352×240)	CIF(352×288/352×240)
				Frame rate （FPS）	PAL: 25 NTSC:30	
				Bit rate type	CBR	

Function Setup Type		Item			Default setup	
					IPC-HDB/HDBW3300 Series	IPC-HDB/HDBW3110 Series
				Reference bit rate	192-1024Kb/S	
				Bit rate	1024	
				I frame interval	50	
		Snapshot		Snap type	General snap	
				Image size	1080P（1920*1080）	720P(1280*720)
				Quality	Better	
				Interval	7s	
		Overlay		Privacy mask	Enable	
				Channel title	Enable	
				Time title	Enable	
		Path		Snapshot path	C:\PictureDownload	
				Record path	C:\RecordDownload	
	Audio	Main stream		Enable	Enable	
				Encode mode	G.711A	
		Sub(Extra) stream		Enable	Disable	
				Encode mode	G.711A	
Network setup		TCP/IP		Host name	IPC	
				Ethernet card	Wire(Default)	
				Mode	Static	
				MAC address	Depends on the device	
				IP version	IPV4	
				IP address	192.168.1.168	
				Subnet mask	255.255.255.0	
				Default gateway	192.168.1.1	
				Preferred DNS	8.8.8.8	
				Alternate DNS	8.8.8.8	
				Enable ARP/Pingto to set IP address service	Enable	

Function Setup Type	Item		Default setup	
			IPC-HDB/HDBW3300 Series	IPC-HDB/HDBW3110 Series
	Connection	Max connection	10	
		TCP port	37777	
		UDP port	37778	
		HTTP port	80	
		RTSP port	554	
		HTTPs Enable	Disable	
		HTTPs port	443	
	PPPoE	Enable	Disable	
		User name	N/A	
		Password	N/A	
	DDNS	Server type	Disable ， CN99 DDNS	
		Server IP	none	
		Port	80	
		Domain name	none	
		User name	none	
		Password	N/A	
		Update period	10m	
	IP filter	Trusted sites	Disable	
	SMTP（email）	SMTP server	none	
		Port	25	
		Anonymity	Disable	
		User name	anonymity	
		Password	N/A	
		Sender	none	
		Authentication (Encrypt mode)	N/A	
		Title (Subject)	IPC Message	
		Attachment	Enable	
		Main Receiver	N/A	
		Interval	0s	
		Health email	Disable ， interval=60m	
	UPnP	Enable UPnP	Disable	
	SNMP	SNMP v1	Disable	

Function Setup Type	Item			Default setup	
				IPC-HDB/HDBW3300 Series	IPC-HDB/HDBW3110 Series
			SNMP v2	Disable	
			SNMP port	161	
			Read community	public	
			Write community	private	
			Trap address	N/A	
			Trap port	162	
	Bonjour		Enable	Enable	
			Server name	“Device SN”. Depends on the device.	
	Multicast		Multicast address	239.255.42.42	
			Port	36666	
	WIFI		On(Enable)	Enable	
	QoS		Real-time monitor	0	
			Wireless QoS Parameter	Disable	
			Command	0	
Event management	Video detect	Motion detect	Enable	Disable	
			Anti-dither	5 seconds	
			Sensitivity	3	
			Record Channel	Enable	
			Record Delay	10 seconds	
			Relay (Alarm) output	Enable	
			Alarm delay	10s	
			Send email	Disable	
			Snapshot	Disable	
		Video (Camera) masking	Enable	Disable	
			Record Channel	Enable	
			Record Delay	10 seconds	
			Relay out	Enable	
			Record Delay	10 seconds	
			Send email	Disable	

Function Setup Type	Item			Default setup	
				IPC-HDB/HDBW3300 Series	IPC-HDB/HDBW3110 Series
			Snapshot	Disable	
	Alarm setup	Relay (Alarm) activation	Enable	Disable	
			Relay input	Alarm1	
			Anti-dither	0s	
			Sensor type	NO	
			Record channel	Enable	
			Record delay	10s	
			Relay (Alarm) output	Enable	
			Relay (Alarm) delay	10s	
			Send email	Disable	
			Snapshot	Disable	
		Relay (Alarm) output		1	
	Abnormity	No SD card	Enable	Disable	
			Relay (Alarm) output	Enable	
			Relay output delay	10s	
			Send email	Disable	
		Capacity warning	Enable	Disable	
			Capacity limit (Space threshold)	10%	
			Relay (Alarm) output	Enable	
			Relay output delay	10s	
			Send email	Disable	
		SD card error	Enable	Disable	
			Relay (Alarm) output	Enable	
			Relay output delay	10s	
			Send email	Disable	
		Disconnection	Enable	Disable	
			Record	Enable	

Function Setup Type	Item			Default setup	
				IPC-HDB/HDBW3300 Series	IPC-HDB/HDBW3110 Series
			Record delay	10s	
			Relay (Alarm) output	Enable	
			Relay output delay	10s	
		IP conflict	Enable	Disable	
			Record	Enable	
			Record delay	10s	
			Relay (Alarm) output	Enable	
			Relay output delay	10s	
Storage management	Destination(Storage)	FTP	FTP enable	Disable	
			Server IP	N/A	
			Port	21	
			User name	anonymous	
			Password	N/A	
			Remote storage path	share	
			Emergency storage to local path	Disable	
	Conditions (Record control)		Pack duration	8m	
			Pre-record	5s	
			Disk full	Overwrite	
			Record mode	Auto	
			Record Stream	Main Stream	
System management	General setup	Local setup	Device name	Device SN. Depends on the device.	
			Language	English	
			Video standard	NTSC	NTSC
		Date and time	Date format	Y-M-D	
			Time format	24H	
			Time zone	GMT+08:00	
			Current time	Sync PC	
			DST	Disable	

Function Setup Type	Item			Default setup	
				IPC-HDB/HDBW3300 Series	IPC-HDB/HDBW3110 Series
			DTS type	Week	
			Start time	00:00:00 of the first Sunday of the month	
			End time	00:00:00 of the second Monday of the month	
			Synchronize with NTP	Disable	
			NTP server	clock.isc.org	
			Port	37	
			Update period	10m	
	Auto maintenance		Auto reboot	Enable 02:00 each day	
			Auto delete old files	Disable	

2 Structure

2.1 Multiple-function Combination Cable

You can refer to the following figure for multiple-function combination cable information. See Figure 2-1.

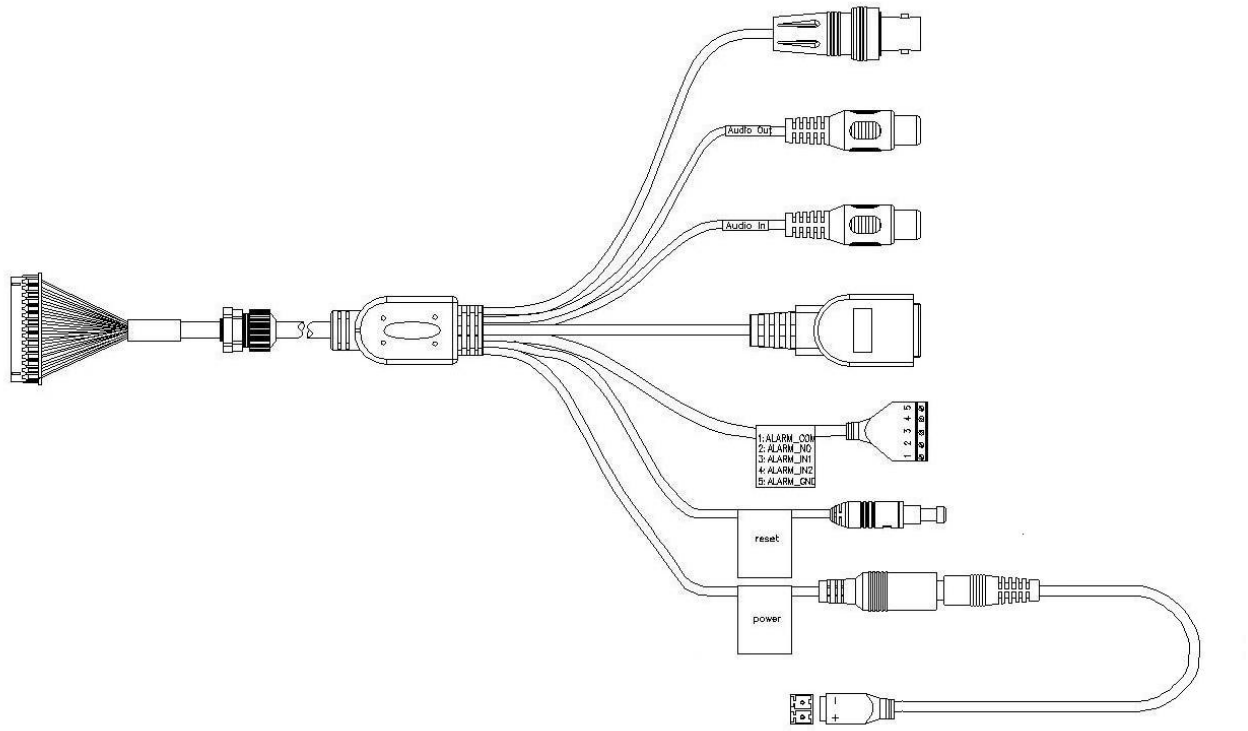


Figure 2-1

Please refer to the following sheet for detailed information.

Port Name	Function	Connection	Note
VIDEO OUT	Video output port	BNC	Output analog video signal. It can connect to the TV monitor to view the video.
AUDIO IN	Audio input port	RCA	Input audio signal. It can receive the analog audio signal from the pickup.
AUDIO OUT	Audio output port	RCA	Output audio signal to the devices such as the sound box.
LAN	Network port	Ethernet port	● Connect to standard Ethernet cable. ● Support PoE.
I/O	I/O port	/	Includes alarm input and output.
RESET	Reset button	/	The reset button is to restore device factory default setup.
POWER	Power input port	/	Power port. Input DC 12V or AC 24V power. **Please connect the DC5.5 round port to 2-pin converter cable when you are using AC 24V power.**

Please refer to the follow sheet for detailed pin information.

Port Name	SN	Name	Note
I/O Port	1	ALARM_COM	Alarm output public port.
	2	ALARM_NO	Alarm output port. It is to output the alarm signal to the alarm device. NO: normal open alarm output port.
	3	ALARM_IN1	Alarm input port 1. It is to receive the on-off signal from the external alarm source.
	4	ALARM_IN2	Alarm input port 2. It is to receive the on-off signal from the external alarm source.
	5	GND	Ground port

2.2 Framework and Dimension

Please refer to the following two figures for dimension information. The unit is mm. See Figure 2-2 and Figure 2-3.

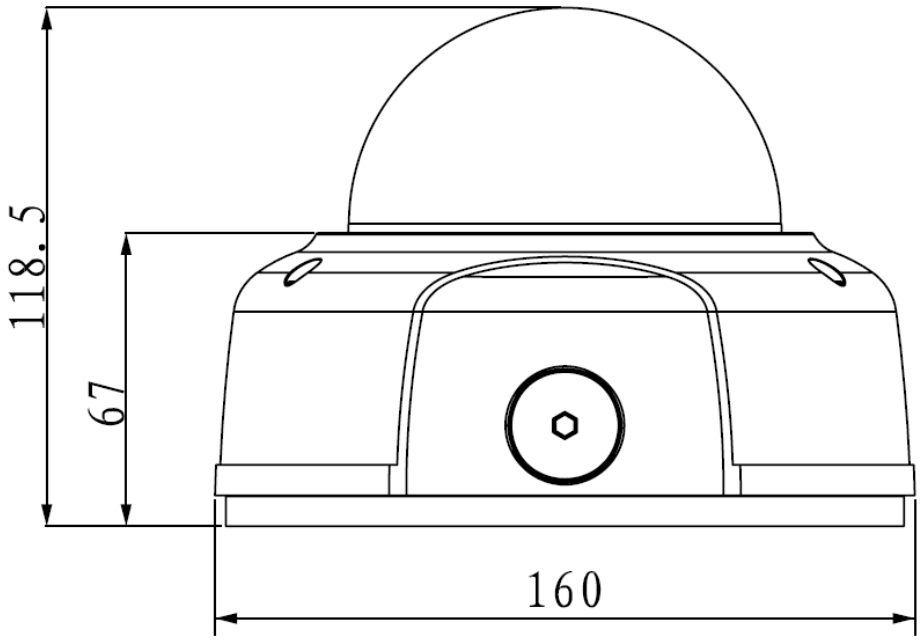


Figure 2-2

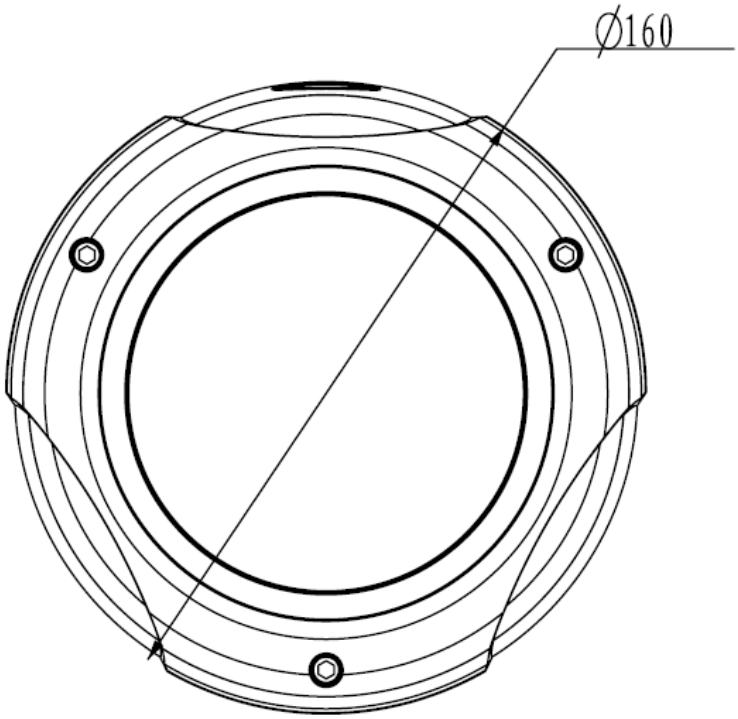


Figure 2-3

2.3 Bidirectional talk

2.3.1 Device Connection

Before the operation, connect the active pickup to the audio input port of the device. Connect the active speaker to the audio output port of the device. Please make sure the client-end device has the audio input and output function. For example, you need to connect the microphone and then earphone to the PC if you want to implement the bidirectional talk function.

2.3.2 Operation

Login the Web and click the bidirectional talk button to enable this function. Click this button again; you can close current bidirectional talk.

2.4 Alarm Setup

The alarm interface is shown as in Figure 2-4. Please follow the steps listed below for local alarm input and output connection.

1) Connect the alarm input device to the alarm input port (No.3 pin or No.4 pin) of the I/O cable.

2) Connect the alarm output device to the alarm output port (No.2 pin) and alarm output public port (No.1 pin). The alarm output port supports NO (normal open) alarm device only.

3) Open the Web, go to the Figure 2-4. Please set the alarm input 01 port for the first channel of the I/O cable (No.3 pin). The alarm input 02 is for the 2nd channel of I/O cable (No.4 pin). Then you can select the corresponding type (NO/NC.)

4) Set the WEB alarm output. The alarm output 01 is for the alarm output port of the device. It is the No.2 pin of the I/O cable.

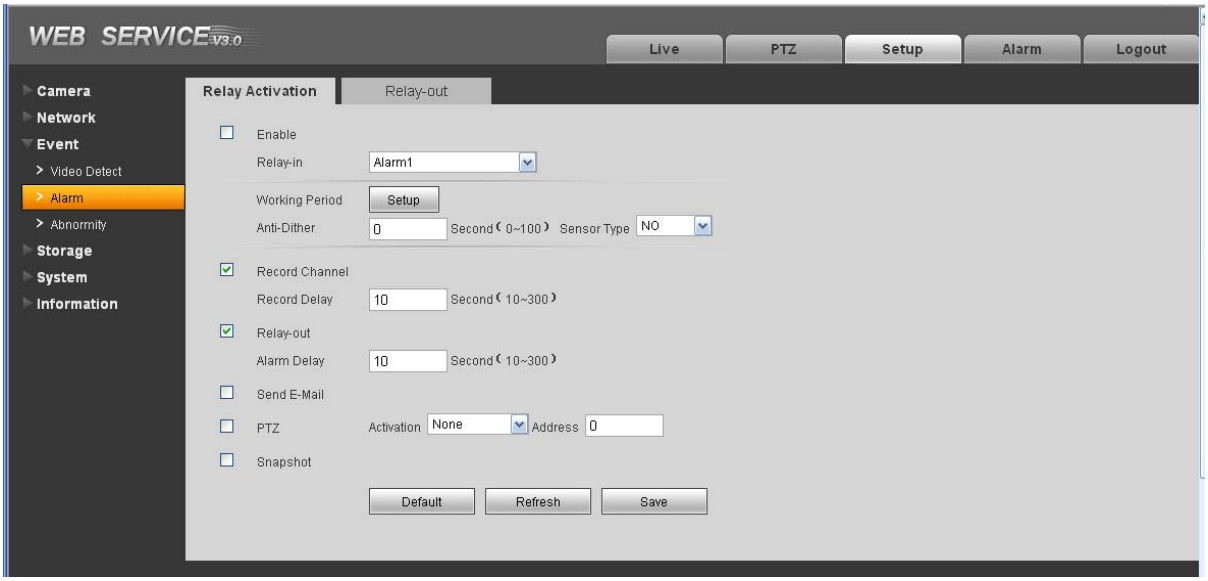

WEB SERVICE V3.0
Live
PTZ
Setup
Alarm
Logout
Camera
Network
Event
Video Detect
Alarm
Abnormity
Storage
System
Information
Relay Activation
Relay-out
Enable
Relay-in
Alarm1
Working Period
Setup
Anti-Dither
0
Second(0~100)
Sensor Type
NO
Record Channel
Record Delay
10
Second(10~300)
Relay-out
Alarm Delay
10
Second(10~300)
Send E-Mail
PTZ
Activation
None
Address
0
Snapshot
Default
Refresh
Save

Figure 2-4

3 Installation

This series IPC can be put on the table to realize surveillance. Or you can use the bracket or the in-ceiling installation to realize the hang function. Please refer to the steps listed below.

3.1 Device Installation

Step 1

Use the inner hexagonal wrench (provided) to loose the three inner hexagon screws in the dome cover and then open the cover. The device is shown as in Figure 3-1

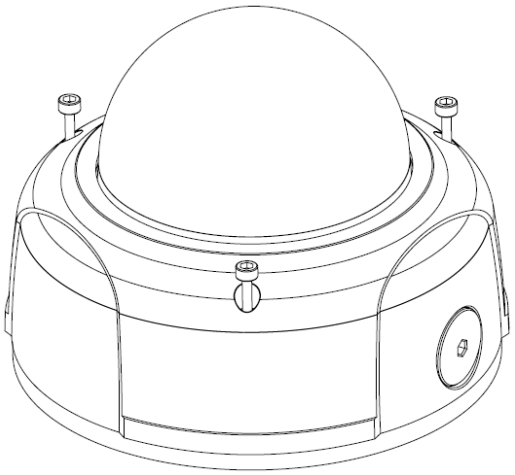
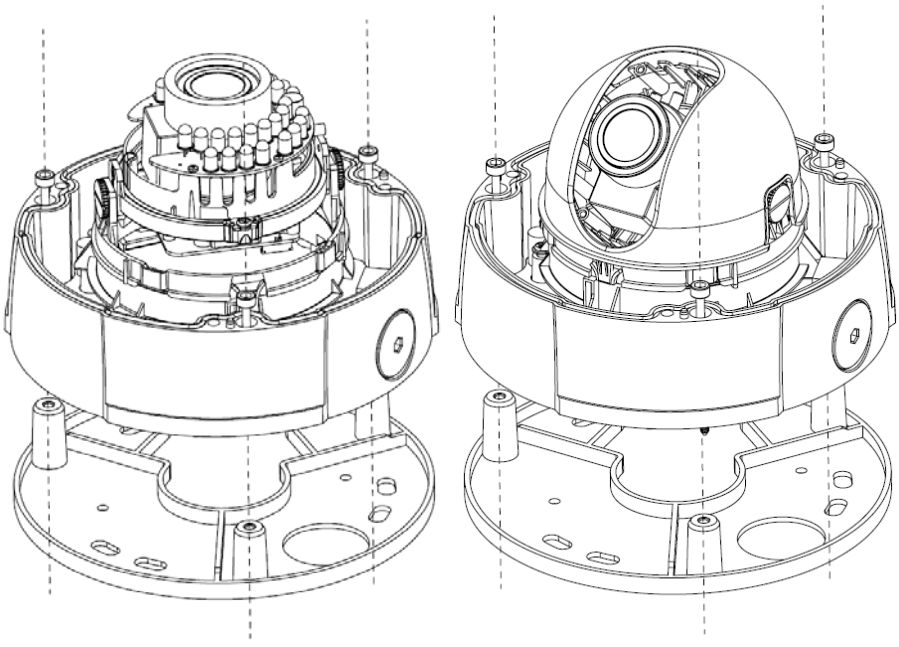


Figure 3-1

Step 2

Use the inner hexagonal wrench (provided) to loose the three inner hexagon screws in the dome and then remove the device pedestal. See Figure 3-2 .



With IR light **Without IR light**

Figure 3-2

Step 3

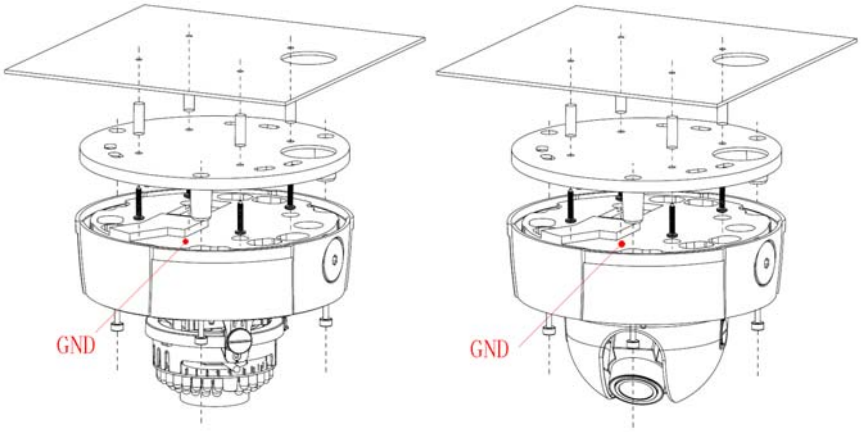
Draw out the cable exit and four screw holes in the installation position according to the device pedestal. Dig the four plastic expansion bolt holes and cable exit. Insert the four plastic expansion bolts into the screw holes

Step 4

Adjust the camera pedestal to the proper position and then draw the cable through the cable exit you just dug in the ceiling (wall). Line up the four screw holes in the device pedestal to the four plastic expansion bolt holes in the installation position. Put the four self-tapping screws in the device pedestal and then use the screwdriver to secure the screws in the four plastic expansion bolts firmly.

Step 5

Adjust the device position and line up the three inner hexagon screws of the device to the three holes of the installation position. Put the three inner hexagon screws into the screw holes at the bottom of the pedestal. Use the inner hexagon screwdriver to fix firmly. Connect the GND to the ground wires to improve stability. See Figure 3-3 .



With IR light **Without IR light**

Figure 3-3

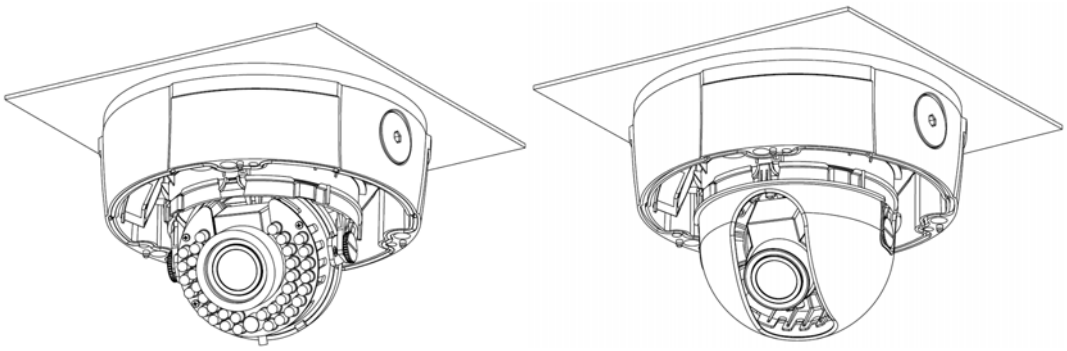
Step 6

Adjust the X-Y-Z axis module to turn the device to the proper monitor angle. Please follow the steps listed below to adjust. See Figure 3-4.

Please note, for the dome of the IR light, you can skip step a) and step e).

- a): Slightly push the two sides to squeeze the plastic hook so that you can take off the dome enclosure.
- b):Slightly loose the screws at the two sides of the X-Y-Z module manually, you can adjust the module tilt rotation angle (15° ～90°).
- c):Slightly loose the screw of the pressing slice, you can adjust the video rotation angle of the module (0° ～355°)
- d):Adjust the turning ring of the pedestal, you can adjust the module pan rotation angle (0° ～355 °).

- e): Put the enclose back after you completed the setup.



With IR light **Without IR light**

Figure 3-4

Please note, the screws in the following figure are the optical adjustment component. Please make sure it is outward and do not allow it to touch the X-Y-Z axis module. See Figure 3-5

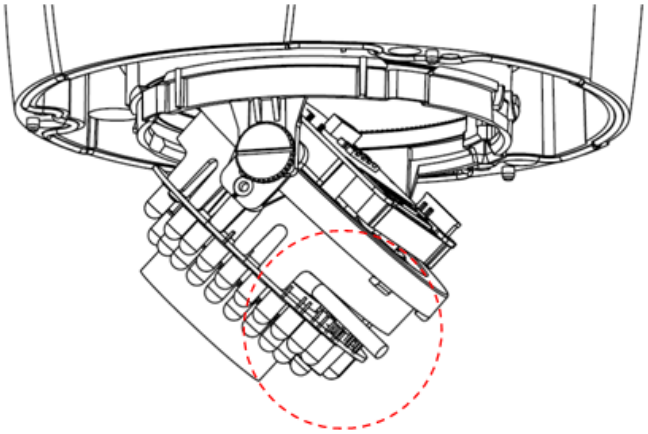


Figure 3-5

Step 7

Put the dome cover back and then put the three inner hexagon screws into the holes of the device. Use the inner hexagonal wrench to fasten these three screws. See Figure 3-6

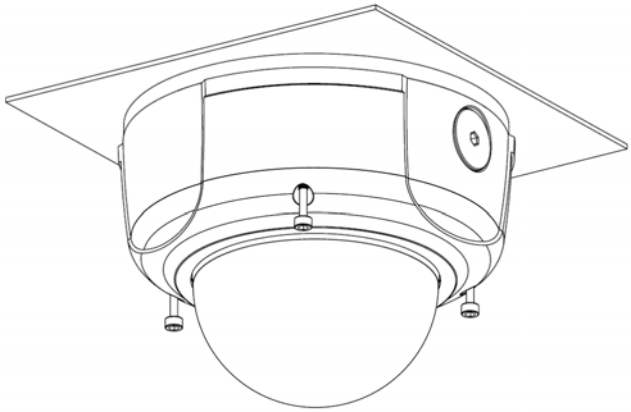


Figure 3-6

3.2 SD Card Installation

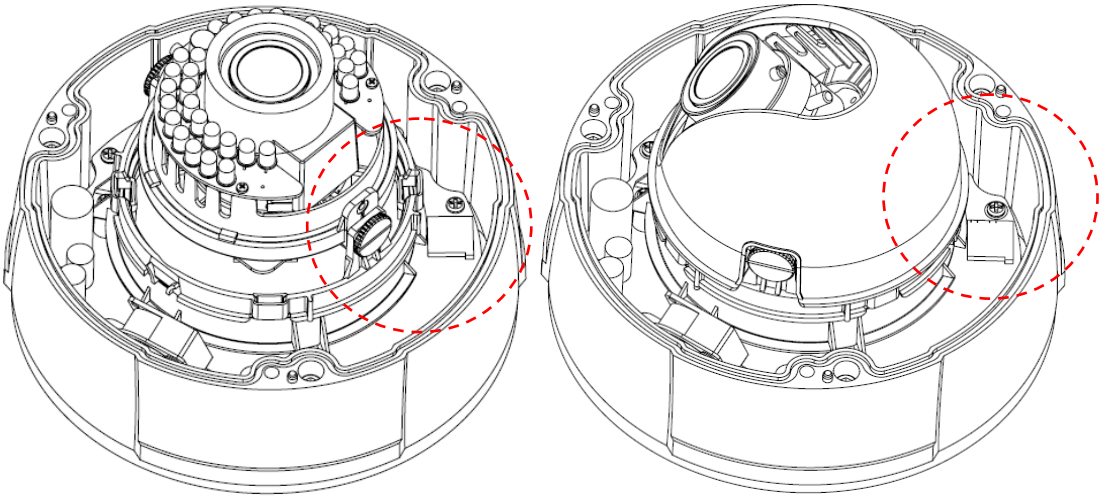
Important

Before you install the SD card, please unplug he power cable to shut down the device!

First, please refer to the step1 in the chapter 3.1 to open the device.

Second, please adjust the proper position to install the SD card.

Last, please refer to the step 7 in the chapter 3.1 to complete the installation. See Figure 3-7.



With IR light **Without IR light**

Figure 3-7

3.3 Lens Adjustment

Step 1

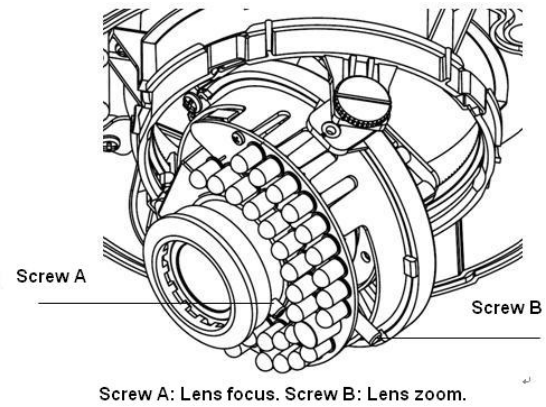
Slightly loose the screw B manually and then turn the screw B slowly. Adjust the lens focus distance to the proper position according to the monitor video. See Figure 3-8.

Step 2

Use the flat screwdriver to loose the screw A slightly and then turn the Screw A slowly. Adjust the lens focus to get the clear video and then use the flat screwdriver to secure the screw firmly.

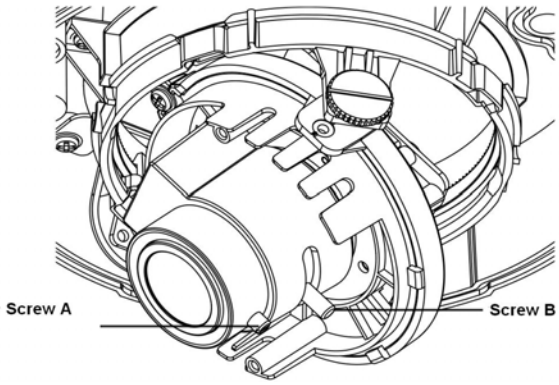
Step 3

When you are adjusting the screw A, the video may becomes blur. Please slightly adjust the screw B manually to get the vivid video. Finally fix the screw.



Screw A: Lens focus. Screw B: Lens zoom.

With IR light



Without IR light

Figure 3-8

4 Quick Configuration Tool

4.1 Overview

Quick configuration tool can search current IP address, modify IP address. At the same time, you can use it to upgrade the device.

Please note the tool only applies to the IP addresses in the same segment.

4.2 Operation

Double click the “ConfigTools.exe” icon, you can see an interface is shown as in Figure 4-1.

In the device list interface, you can view device IP address, port number, subnet mask, default gateway, MAC address and etc.

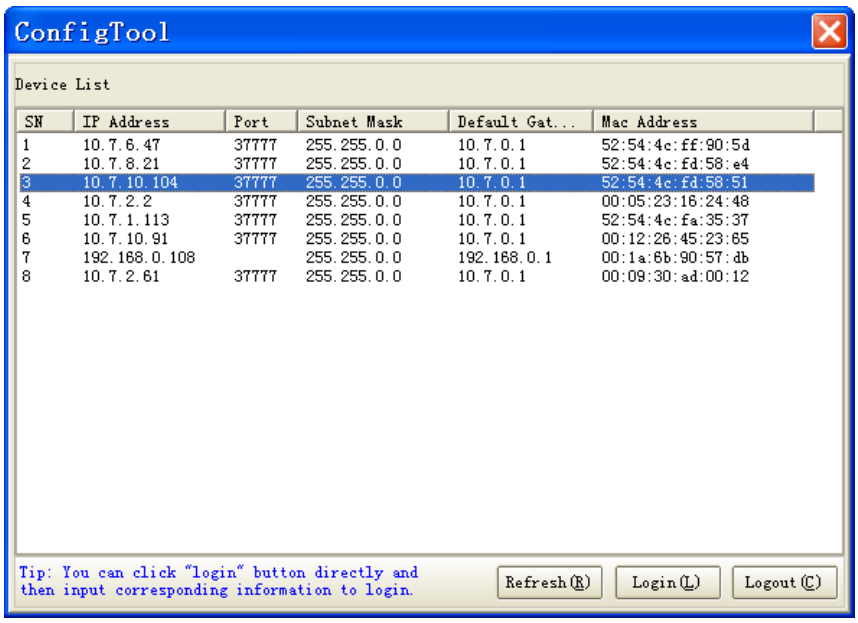


Figure 4-1

Select one IP address and then right click mouse, you can see an interface is shown as in Figure 4-2.

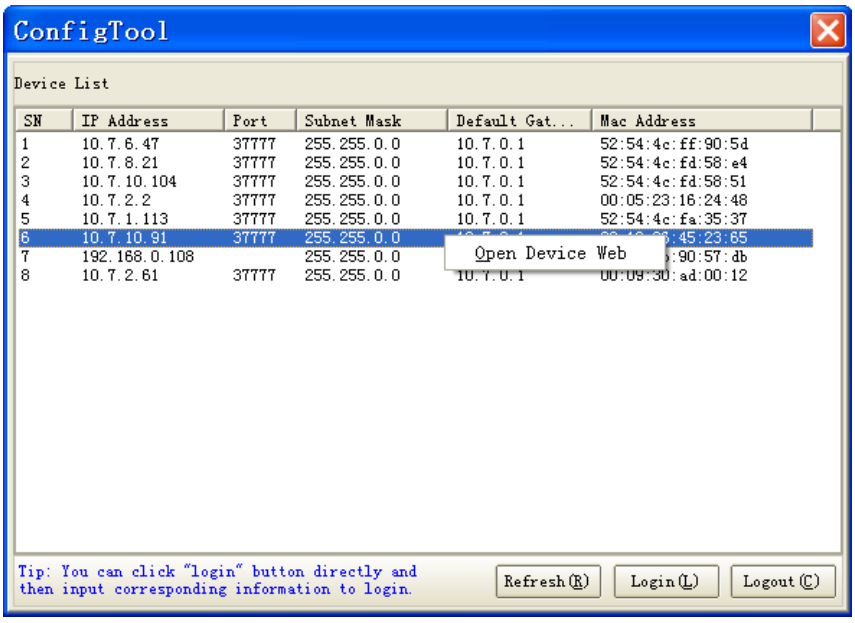


Figure 4-2

Select the “Open Device Web” item; you can go to the corresponding web login interface. See Figure 4-3.

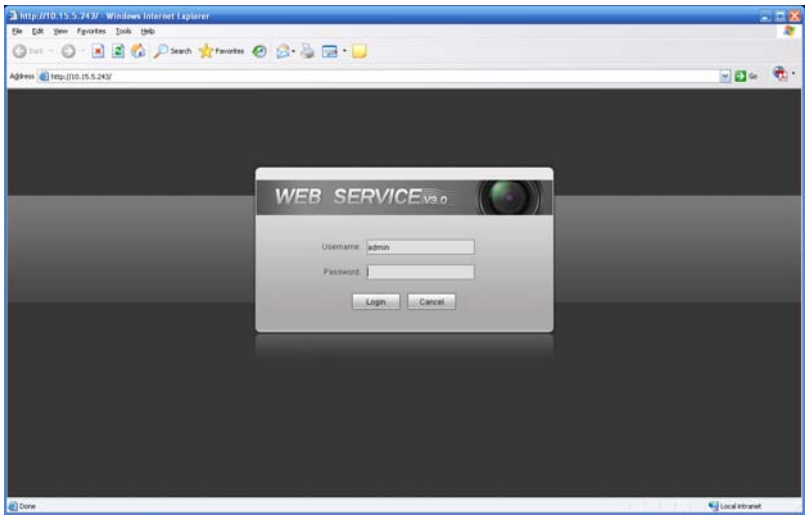


Figure 4-3

If you want to modify the device IP address without logging in the device web interface, you can go to the configuration tool main interface to set.

In the configuration tool search interface (Figure 4-1), please select a device IP address and then double click it to open the login interface. Or you can select an IP address and then click the Login button to go to the login interface. See Figure 4-4.

In Figure 4-4, you can view device IP address, user name, password and port. Please modify the corresponding information to login.

Please note the port information here shall be identical with the port value you set in TCP port in Web Network interface. Otherwise, you can not login the device.

If you are use device background upgrade port 3800 to login, other setups are all invalid.

Figure 4-4

After you logged in, the configuration tool main interface is shown as below. See Figure 4-5.

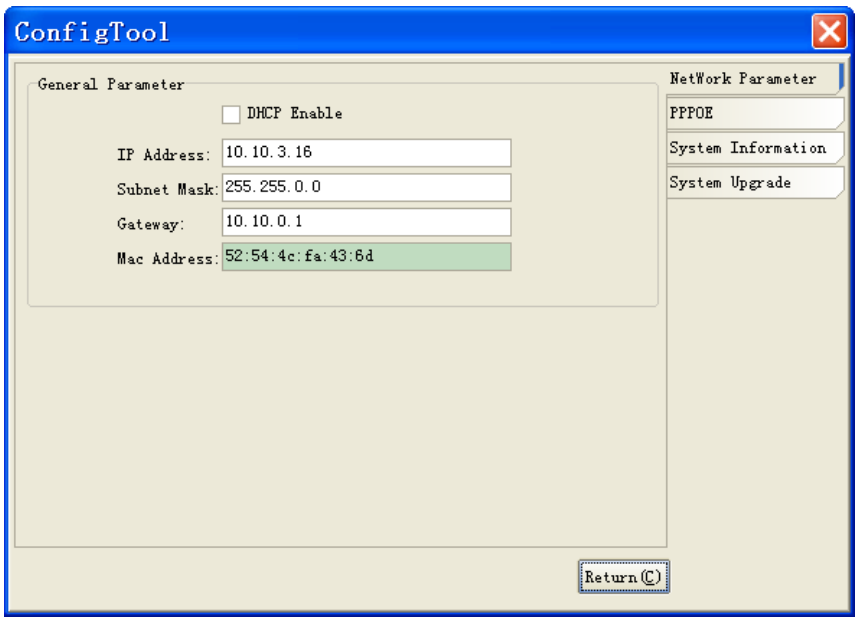

ConfigTool
General Parameter
DHCP Enable
IP Address:
10.10.3.16
Subnet Mask:
255.255.0.0
Gateway:
10.10.0.1
Mac Address:
52:54:4c:fa:43:6d
NetWork Parameter
PPPOE
System Information
System Upgrade
Return(C)

Figure 4-5

5 Web Operation

This series IPC product support the Web access and management via PC.
Web includes several modules includes monitor channel preview, PTZ control, system configuration, alarm and etc.
IP camera factory default setup:

- IP address: 192.168.1.108.
- User name: admin
- Password: admin

5.1 Network Connection

Please follow the steps listed below for network connection.

- Make sure the IPC has connected to the network properly.
- Please set the IP address, subnet mask and gateway of the PC and the IPC respectively. IPC default IP address is 192.168.1.108. Subnet mask is 255.255.255.0. Gateway is 192.168.1.1
- Use order ping ***.***.***.***(* IP camera address) to check connection is OK or not.

5.2 Login and Main Interface

Open IE and input IP camera address in the address bar.
For example, if your camera IP is 192.168.1.108, then please input http:// 192.168.1.108 in IE address bar. See Figure 5-1.

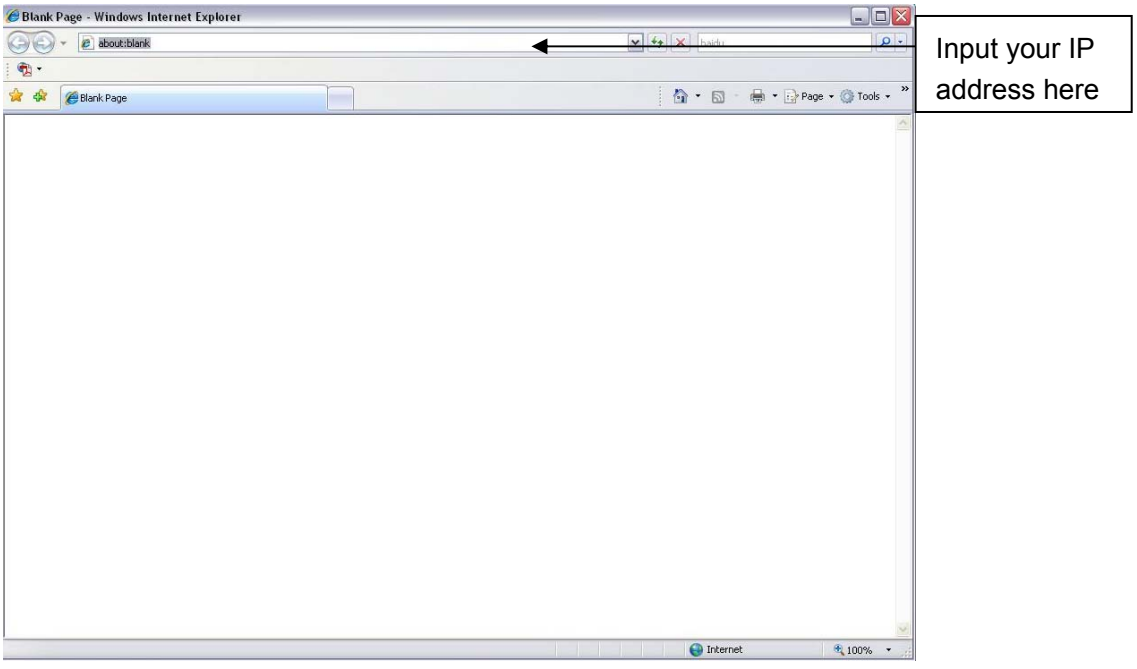


Figure 5-1

The login interface is shown as below. See Figure 5-2.
Please input your user name and password.
Default factory name is admin and password is admin.
Note: For security reasons, please modify your password after you first login.

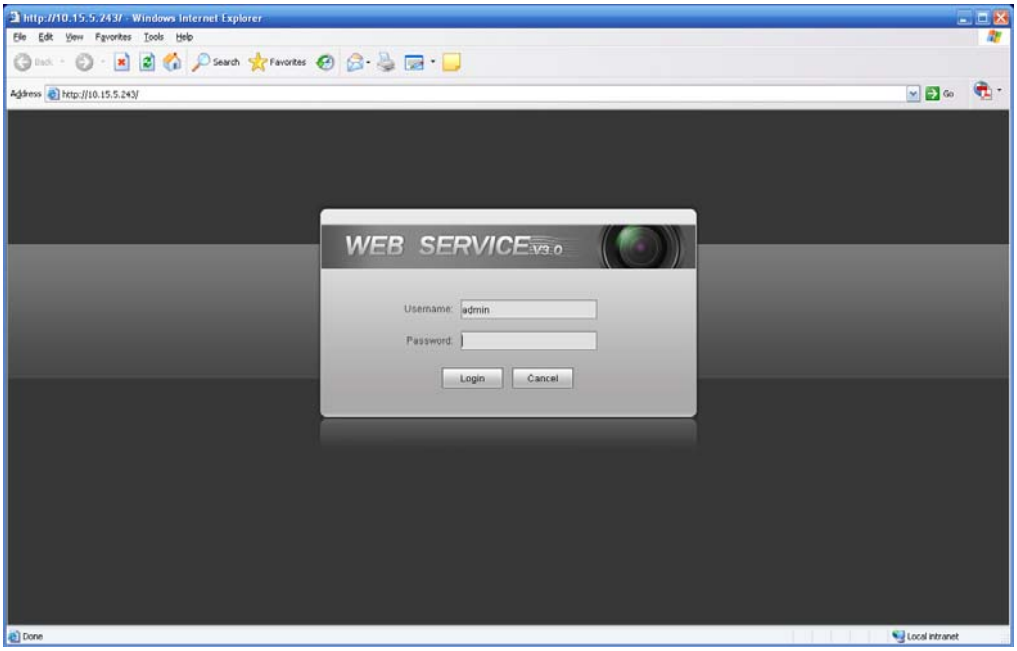


Figure 5-2

If it is your first time to login in, system pops up warning information to ask you whether install control webrec.cab or not after you logged in for one minute. Please click OK button, system can automatically install the control. When system is upgrading, it can overwrite the previous Web too.

If you can't download the ActiveX file, please check whether you have installed the plug-in to disable the control download. Or you can lower the IE security level. See Figure 5-3.

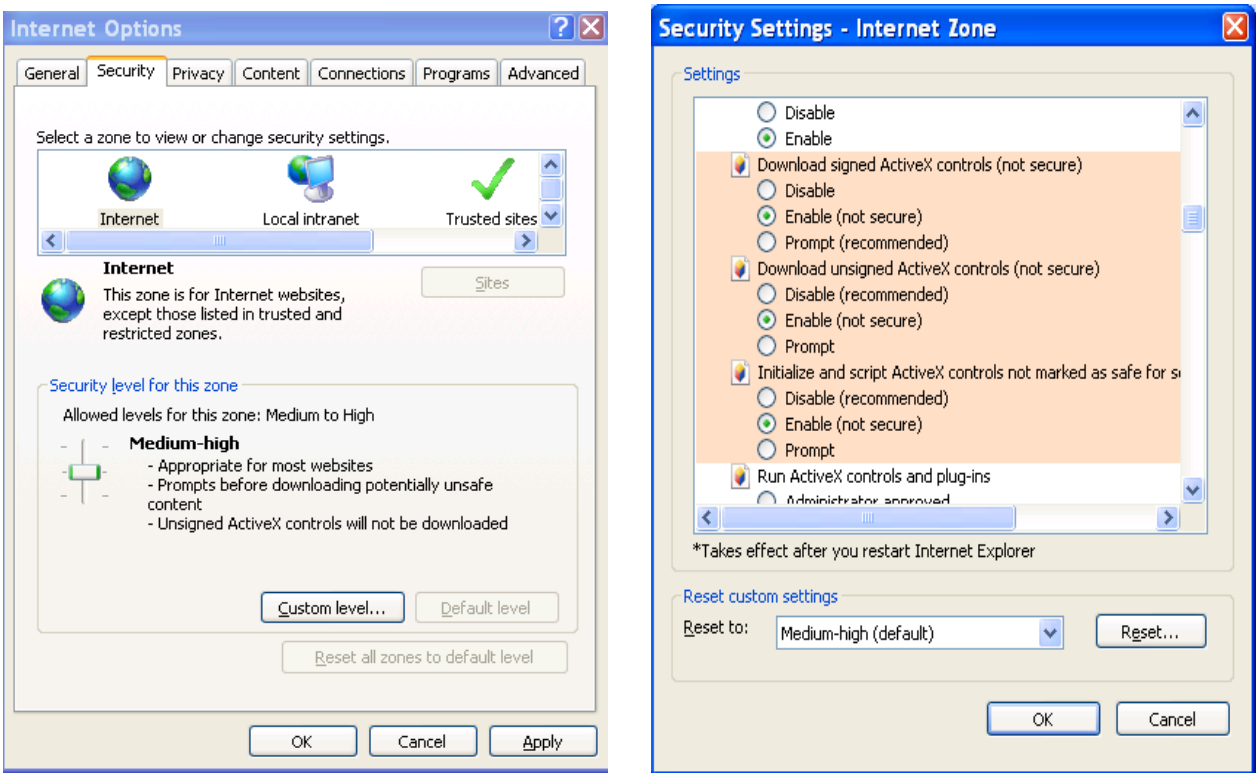


Figure 5-3

After you logged in, you can see the main window. See Figure 5-4.

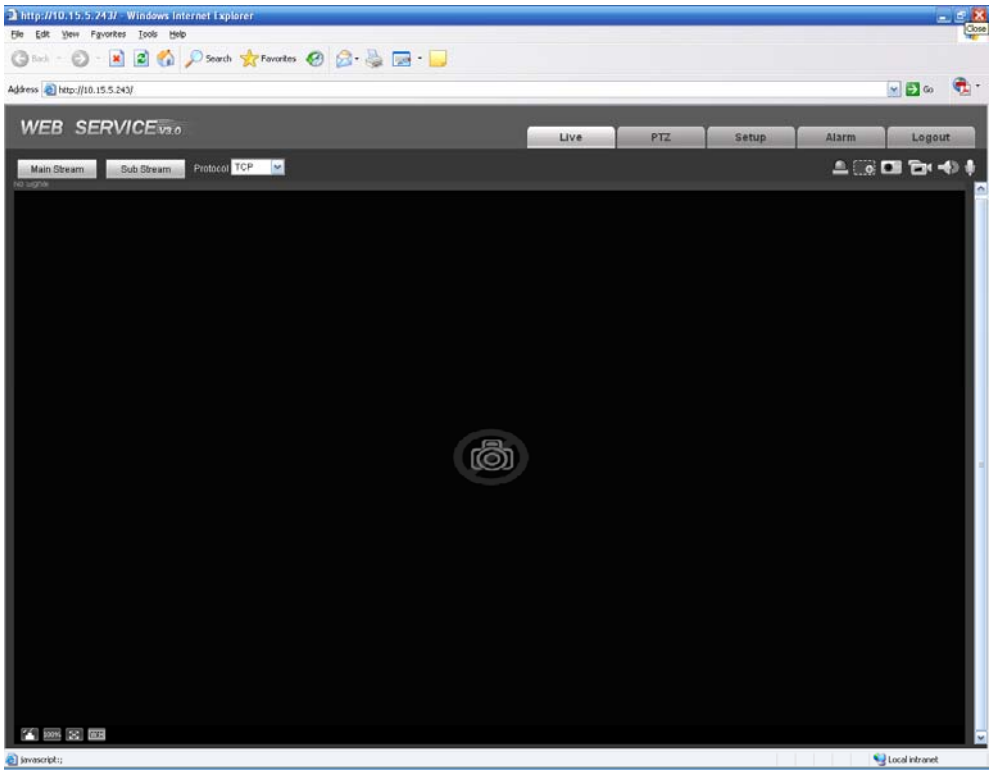


Figure 5-4

Please refer to the Web Operation Manual included in the resource CD for detailed operation instruction.

6 FAQ

Bug	
I can not boot up the device.	Please click RESET button for at least five seconds to restore factory default setup.
SD card write times	Do not set the SD card as the storage media to storage the schedule record file. It may damage the SD card duration.
I can not use the disk as the storage media.	When disk information is shown as hibernation or capacity is 0, please format it first (Via Web).
I can not upgrade the device via network.	When network upgrade operation failed, you can use port 3800 to continue upgrade.
Recommended SD card brand	Kingston 4GB， Kingston 1GB， Kingston 16GB， Transcend 16GB， SanDisk 1G， SanDisk 4G. Usually we recommend the 4GB (or higher) or industry-level high speed card in case the slow speed results in data loss.
Audio function	Please use active device for the audio monitor input, otherwise there is no audio in the client-end.
The lightproof ring of the IR device	The lightproof ring of the IR device lens is the necessary component when it works. You can not view the clear video when the IR light is on if you remove the lightproof ring.

Appendix Toxic or Hazardous Materials or Elements

Component Name	Toxic or Hazardous Materials or Elements					
	Pb	Hg	Cd	Cr VI	PBB	PBDE
Circuit Board Component	○	○	○	○	○	○
Device Construction Material	○	○	○	○	○	○
Wire and Cable	○	○	○	○	○	○
Packing Components	○	○	○	○	○	○
Accessories	○	○	○	○	○	○

O: Indicates that the concentration of the hazardous substance in all homogeneous materials in the parts is below the relevant threshold of the SJ/T11363-2006 standard.

X: Indicates that the concentration of the hazardous substance of at least one of all homogeneous materials in the parts is above the relevant threshold of the SJ/T11363-2006 standard. During the environmental-friendly use period (EFUP) period, the toxic or hazardous substance or elements contained in products will not leak or mutate so that the use of these (substances or elements) will not result in any severe environmental pollution, any bodily injury or damage to any assets. The consumer is not authorized to process such kind of substances or elements, please return to the corresponding local authorities to process according to your local government statutes。

Note

- **This user's manual is for reference only. Slight difference may be found in user interface.**
- **All the designs and software here are subject to change without prior written notice.**
- **If there is any uncertainty or controversy, please refer to the final explanation of us.**
- **Please visit our website for more information.**